



AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the application:

LISTING OF CLAIMS:

1. (original): An anti-adhesion membrane comprising a biodegradable film having a honeycomb structure.
2. (original): The anti-adhesion membrane according to claim 1, which is characterized in that the honeycomb structure has a mean void inner diameter of not more than 20 μm .
3. (original): The anti-adhesion membrane according to claim 1 or 2, which is characterized in that only one surface of the film has the honeycomb structure.
4. (original): A biodegradable film having a honeycomb structure and comprising a biodegradable polymer and a surfactant, which is characterized in that said surfactant is a phospholipid.
5. (original): The biodegradable film having a honeycomb structure according to claim 4, wherein said biodegradable polymer is a biodegradable aliphatic polyester and/or a biodegradable aliphatic polycarbonate.
6. (original): The biodegradable film having a honeycomb structure according to claim 5, wherein said biodegradable aliphatic polyester is at least one polymer selected from the group consisting of biodegradable aliphatic polyesters including polylactic acid, a polylactic acid-polyglycolic acid copolymer, polyhydroxybutyric acid, polycaprolactone, polyethylene adipate, and polybutylene adipate.

7. (original): The biodegradable film having a honeycomb structure according to claim 5, wherein said biodegradable aliphatic polycarbonate is at least one polymer selected from the group consisting of polybutylene carbonate and polyethylene carbonate.

8. (original): The biodegradable film having a honeycomb structure according to any one of claims 4 to 6, which is characterized in that said biodegradable polymer is polylactic acid or a lactic acid-glycolic acid copolymer .

9. (currently amended): The biodegradable film having a honeycomb structure according to claim 4 ~~or 5~~, wherein said phospholipid is selected from the group consisting of phosphatidyl ethanolamine, phosphatidyl ~~choline~~ choline, phosphatidyl serine, phosphatidyl glycerol, and derivatives thereof.

10. (currently amended): The biodegradable film having a honeycomb structure according to ~~any one of claims 4 to 9~~ claim 4, which is characterized in that said phospholipid is L- α -phosphatidyl ethanolamine.

11. (original): The biodegradable film having a honeycomb structure according to claim 10, which is characterized in that said phospholipid is L- α -phosphatidyl ethanolamine dioleoyl.

12. (original): The biodegradable film having a honeycomb structure according to claim 4, which is characterized in that a composition ratio of said biodegradable polymer to said phospholipid is from 1/1 to 1,000/1.

13. (original): An anti-adhesion membrane comprising the biodegradable film according to claim 4 or 5.

14. (currently amended): A production process of the anti-adhesion membrane according to claim 1-~~or~~13, which is characterized by using a biodegradable polymer film having a honeycomb structure as obtained by casting an organic solvent solution of a biodegradable polymer on a substrate in the atmosphere of a relative humidity of from 50 to 95 %, gradually transpiring said organic solvent and simultaneously condensing it on the surface of said cast liquid, and evaporating fine water droplets as generated by said condensation.

15. (new): A production process of a biodegradable film according to claim 4, which is obtained by casting an organic solvent solution of a biodegradable polymer on a substrate in the atmosphere of a relative humidity of from 50 to 95 %, gradually transpiring said organic solvent and simultaneously condensing it on the surface of said cast liquid, and evaporating fine water droplets as generated by said condensation.

16. (new): The production process of a biodegradable film according to claim 15, wherein said biodegradable polymer is a biodegradable aliphatic polyester.

17. (new): The production process of a biodegradable film according to claim 15, wherein said phospholipid is selected from the group consisting of phosphatidyl ethanolamine, phosphatidyl choline, phosphatidyl serine, phosphatidyl glycerol, and derivatives thereof.

18. (new): The production process of a biodegradable film according to claim 17, which is characterized in that said phospholipid is L- α -phosphatidyl ethanolamine.